AMENDMENTS TO THE CLAIMS

1. (Original) An apparatus comprising:

a plurality of interposer contact pads on a first side of a generally planar interposer, the interposer contact pads aligned on the first side to contact a plurality of first contacts of a first electronic device:

a plurality of pressure contacts formed in the interposer, the pressure contacts having a contact surface on the second side of the interposer to removably contact a plurality of second contacts of a second electronic device;

a plurality of electrical connections between the interposer contact pads and the pressure contacts;

wherein the pressure contacts and the contact surface are directionally deformable in a direction from the second side of the generally planar interposer towards the first side.

- 2. (Original) The apparatus of claim 1, wherein the interposer has a spacing of the pressure contacts relative to the interposer contact pads to simultaneously physically align and simultaneously electronically connect the first contacts with the second contacts.
- 3. (Original) The apparatus of claim 2, wherein the spacing is between 15 mils and 50 mils in distance between a center of the interposer contact pads and a center of the pressure contacts to simultaneously electronically connect a plurality of contact pads of a land grid array (LGA) and a plurality of contact pads of a printed circuit board (PCB).
- 4. (Original) The apparatus of claim 1, wherein the pressure contacts comply under a contact pressure applied to the contact surface of between 0.2 Newton and 0.6 Newton in pressure applied to the pressure contacts without permanently deforming or damaging the pressure contacts.
- 5. (Original) The apparatus of claim 1, wherein the pressure contacts include a plurality of flexible three-dimensional domes formed in the generally planar interposer under the pressure contacts.

- 6. (Original) The apparatus of claim 1, wherein the pressure contacts have a first height of between 4 mils and 20 mils in distance from a top surface of the contact surface to the first side of a generally planar interposer.
- 7. (Previously Presented) The apparatus of claim 6, wherein the pressure contacts have a property such that while a pressure is applied to the top surface, the pressure contact flexes to a second height in distance from a top surface of the contact surface to the first side of the interposer, and wherein the second height is less than the first height by a height difference of between 2 mils and 10 mils in distance.
- 8. (Original) The apparatus of claim 7, wherein the pressure contacts have a modulus of elasticity greater than the pressure applied.
- 9. (Original) The apparatus of claim 1, wherein the generally planar interposer has a thickness of between 1 mil and 20 mils, the contact surface has a thickness of between 0.5 mils and 5 mils, and the interposer contact pads have a thickness of between 0.5 mils and 5 mils.
- 10. (Original) The apparatus of claim 1, wherein the generally planar interposer includes a layer of one of a polyimide, a polyester, a polycarbonate, a Mylar®, a polyvinyl chloride (PVC), a cellulose acetate, and a plastic material.
- 11. (Original) The apparatus of claim 1, wherein the contact surface includes a conductor material having a surface plated or coated with a metal.
- 12. (Original) The apparatus of claim 1, wherein the interposer contact pads are conductive material without a metal coating or plating and are configured to be permanently attached to the first contacts by one of solder, conductive paste, and conductive adhesive.
- 13. (Currently Amended) An apparatus comprising:

a generally planar shaped base having a first side, a second side, and a plurality of holes extending through the base from the first side to the second side;

a plurality of interposer contact pads aligned on the first side of the planar shaped base to electronically connect to a plurality of first contact pads of a first electronic device;

a plurality of pressure contacts, each having a directionally deformable contact surface on the second side of the planar shaped base to form removable electrical pressure connections to a plurality of second contact pads of a second electronic device;

a plurality of traces on the first side electronically connecting the interposer contact pads to a plurality of trace pads on the first side;

wherein respective ones of the plurality of trace pads include an electrical connection disposed through one of the plurality of holes to respective ones of the plurality of pressure contacts.

- 14. (Original) The apparatus of claim 13, wherein the trace pad, trace, and interposer contact pad define a dog-bone or dumbbell shape.
- 15. (Original) The apparatus of claim 13, wherein the electrical connection includes one of a plated through hole and a conductive filler in a hole.
- 16. (Previously Presented) The apparatus of claim 13, wherein the pressure contacts include a plurality of domes having a dome diameter and a dome height, each dome comprising a plastic material having an elasticity and a thickness sufficient to flex in response to a maximum pressure of between 0.4 Newton and 1.4 Newton in pressure applied to the pressure contacts without permanently deforming or damaging the pressure contacts.
- 17. (Original) The apparatus of claim 16, wherein the pressure contacts have a modulus of elasticity greater than the pressure applied.
- 18. (Original) The apparatus of claim 13, wherein the pressure contacts have a radius of between 2.5 mils and 25 mils in distance; the trace pad, trace, and interposer contact pad define a length of between 10 mils and 350 mils in distance; and the trace has a width of between 2 mils and 150 mils in distance.

19. (Original) The apparatus of claim 13, wherein each pressure contact has a pressure attachment surface to removably attach to a second contact, and there is a spacing of between 20 mils and 80 mils in distance between adjacent pressure attachment surfaces.

20. (Original) A method comprising:

forming a plurality of electrically conductive pads on a first side of a formable planar base, the electrically conductive pads aligned on the first side to electronically connect to a first device;

forming a plurality of electrically conductive structures on a second side of the formable planar base;

forming a plurality of electrical connections through the formable planar base from the electrically conductive pads to the electrically conductive structures;

forming a plurality of three-dimensional pressure contacts in the formable planar base at the plurality of electrically conductive pads,

wherein the three-dimensional pressure contacts are directionally deformable in a direction between the electrically conductive pads and the first side, and are configured to removably electronically connect to a second device.

- 21. (Original) The method of claim 20, wherein forming the electronically conductive pads and the electrically conductive structures includes one of a print and etch process, a pattern and etch process, and a screen printed conductor process.
- 22. (Original) The method of claim 20, wherein forming the plurality of three-dimensional pressure contacts includes one of a pressure fixture, a pressure platen, a temperature fixture, and a temperature platen.